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UNITED STATES PATENT & TRADEMARK OFFICE

In re Application : ANA MARIA GARCIA COLLAZO, ET AL.  
Serial No. : 10/593,927  
Filed : September 21, 2006  
For : NOVEL PHARMACEUTICAL COMPOSITIONS  
COMPRISING AGONISTS OF THE THYROID  
RECEPTOR  
  
Examiner :  
Attorney Docket : 102901-102  
Group Art Unit :  
Confirmation No. :  
Customer No. : 27267

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service, First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 26 June 2007.

By Todd E. Garabedian  
Todd E. Garabedian, Ph.D.  
Registration No. 39,197  
Attorney for Applicants

\*\*\*\*\*

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.56, the Examiner is respectfully requested to consider the references cited on attached Form PTO-1449. A copy of each reference (if not previously submitted) is enclosed. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- [X] 1. This Information Disclosure Statement is being filed within three months of the U. S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

- [ ] 2. This Information Disclosure Statement is being filed more than three months after the U. S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- [ ] a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1); and no fee is required under 37 C.F.R. §1.17(p).
- [ ] b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2); and no fee is required under 37 C.F.R. §1.17(p).
- [ ] Please charge Deposit Account No. 23-1665 in the amount of \$180.00 in payment of the fee under 37 C.F.R. §1.17(p). Two additional copies of this Information Disclosure Statement are enclosed.
- [ ] A check in the amount of \$180.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(p).
- [ ] 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered.
- [ ] a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- [ ] b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).

- ☐ Please charge Deposit Account No. 23-1665 in the amount of \$130.00 in payment of the fee under 37 C.F.R. §1.17(i)(1). Two additional copies of this Information Disclosure Statement are enclosed.
- ☐ A check in the amount of \$130.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(i)(1).

The undersigned represents that the closest art of which he is presently aware has been cited herein and understands that this statement shall not be construed as a representation that no better art exists or that a thorough patentability search has been made.

The undersigned further represents that the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,

ANA MARIA GARCIA COLLAZO, ET AL.

Date: 26 June 2007

By: Todd E. Garabedian

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Registration No. 39,197

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INFORMATION DISCLOSURE LETTER

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The undersigned further represents that the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

1. United States Patent No. 3,586,713 (BUU-HOI, NGUYEN PHUC, ET AL.) 22 June 1971 (1971-06-22).
2. United States Patent No. 3, 492,349 (DOYLE, FRANK PETER, ET AL.) 27 January 1970 (1970-01-27).
3. International Patent Application No. WO 01/36365 A2 (MALM, JOHAN, ET AL.) 25 May 2001 (2001-05-25).
4. International Patent Application No. WO 03/084915 A1 (RAHIMI-GHADIM, MAHMOUD, ET AL.) 16 October 2003 (2003-10-16).
5. International Patent Application No. WO 03/018515 A2 (MALM, JOHAN, ET AL.) 6 March 2003 (2003-03-06).
6. International Patent Application No. WO 02/092550 A1 (MALM, JOHAN, ET AL.) 21 November 2002 (2002-11-21).
7. International Patent Application No. WO 2005/092317 A1 (GARCIA COLLAZO, ANA MARIA, ET AL.) 6 October 2005 (2005-10-06).
8. International Patent Application No. WO 2005/051373 A2 (FUKATSU, KOHJI, ET AL.) 9 June 2005 (2005-06-09). This Patent discloses a 14273 receptor function regulating agent useful as a preventive/therapeutic agent for diabetes, hyperlipemia, etc. There is provided a 14273 receptor function regulating agent comprising a compound having a group capable of releasing an aromatic ring and a cation.
9. International Patent Application No. WO 03/094845 A2 (ZHANG, MINSHENG, ET AL.) 20 November 2003 (2003-11-20).
10. International Patent Application No. WO 03/059872 A1 (DIXON, JULIE, ET AL.) 24 July 2003 (2003-07-24).
11. International Patent Application No. WO 01/60784 A1 (FRIENDS, TODD JASON, ET AL.) 23 August 2001 (2001-08-23).
12. International Patent Application No. WO 97/28137 (ADAMS, ALAN D., ET AL.) 7 August 1997 (1997-08-07).
13. International Application Publication No. WO 95/04049 (LEONARDI, AMEDEO, ET AL.) 9 February 1995 (1995-02-09).
14. European Patent Application No. EP 1 148 054 A1 (CHIANG, YUAN-CHING P.) 24 October 2001 (2001-10-24).

15. European Patent Specification No. EP 1 148 054 B1 (CHIANG, YUAN-CHING P.) 23 November 2005 (2005-11-23).
16. European Patent Application No. EP 0 257 828 A1 (TAKAHASHI, JUNYA, ET AL.) 2 March 1988 (1988-03-02).
17. European Patent Specification No. EP 0 257 828 B1 (TAKAHASHI, JUNYA, ET AL.) 27 December 1990 (1990-12-27).
18. United Kingdom Patent Application No. 2 028 820 A (YOSHIKI, KOSUGE, ET AL.) 12 March 1980 (1980-03-12).
19. United Kingdom Patent Application No. 2 016 010 A (RYO, YOSHIDO, ET AL.) 19 September 1979 (1979-09-19).
20. A. DIBBO, ET AL., "*The Synthesis of Thyroxine and Related Compounds. Part XVII. The Preparation of Some Additional Compounds Related to Thyroxine*", JOURNAL OF THE CHEMICAL SOCIETY, Pages 2890-2902 (1961).
21. N. P. BUU-HOI, ET AL., "*Acides Arylacéthydroxamiques anti-inflammatoires et analgésiques*", CHIMIE THÉRAPEUTIQUE, No. 1, Pages 39-48 (October 24, 1966). This article discusses the synthesizing of certain acids to determine their biological properties, thereby obtaining certain compounds of interest by virtue of their pronounced anti-inflammatory, analgesic or spasmolytic properties.
22. A. P. BROWN, M. A., M.C.I.L., M.I.T.I. Affidavit attesting to the accuracy of an English translation of the title and abstract of the article listed in item 21 above.
23. P. D. LEESON, ET AL., "*Thyroid Hormone Analogues, Synthesis of 3'-Substituted 3,5-Diiodo-L-thyronines and Quantitative Structure – Activity Studies of in Vitro and in Vivo Thyromimetic Activities in Rat Liver and Heart*", JOURNAL OF MEDICAL CHEMISTRY, Vol. 31, No. 1, Pages 37-54 (1988).

Applicants submit that copies of the above-cited references are enclosed herewith.

If the Examiner has any questions or feels that a discussion with Applicants' representative would expedite prosecution, the Examiner is invited and encouraged to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

ANA MARIA GARCIA COLLAZO, ET AL.

Date: 26 June 2007

By: Todd E. Garabedian

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Registration No. 39,197

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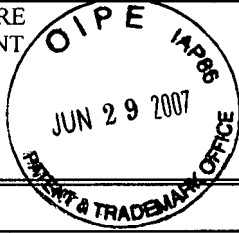
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## FORM PTO-1449

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|--------------------------------------------------|--|---------------------------------------------|--|-----------------------|--|
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |  | ATTY. DOCKET NO. 102901-102                 |  | SERIAL NO. 10/593,927 |  |
| PAGE 1 OF 2                                      |  | APPLICANT: ANA MARIA GARCIA COLLAZO, ET AL. |  |                       |  |
|                                                  |  | FILING DATE: SEPTEMBER 21, 2006             |  | GROUP:                |  |



| U.S. PATENT DOCUMENTS |                    |            |                        |       |          |                            |
|-----------------------|--------------------|------------|------------------------|-------|----------|----------------------------|
| EXAMINER<br>INITIAL*  | DOCUMENT<br>NUMBER | DATE       | NAME                   | CLASS | SUBCLASS | FILING DATE<br>IF APPROPR. |
|                       | 3,586,713          | 06/22/1971 | BUU-HOI, N. P., et al. | C07c  | 83/00    |                            |
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| FOREIGN PATENT DOCUMENTS |                     |            |         |       |          |                       |
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|                          | DOCUMENT NO.        | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>Yes No |
|                          | WO 01/36365 A2      | 05/25/2001 | PCT     | C07C  | 59/64    |                       |
|                          | WO 03/084915 A1     | 10/16/2003 | PCT     | C07C  | 59/215   |                       |
|                          | WO 2003/018515 A2   | 03/06/2003 | PCT     | C07C  |          |                       |
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| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |                                                                                                                                                                                                                                                                                                                                                                                                  |
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|                                                                        | A. DIBBO, ET AL., "The Synthesis of Thyroxine and Related Compounds. Part XVII. The Preparation of Some Additional Compounds Related to Thyroxine", JOURNAL OF THE CHEMICAL SOCIETY, Pages 2890-2902 (1961).                                                                                                                                                                                     |
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|                                                                        | A. P. BROWN, M. A., M.C.I.L., M.I.T.I. Affidavit attesting to the accuracy of an English translation of the title and abstract of the article by N. P. Buu-Hoi, et al., listed immediately above.                                                                                                                                                                                                |
|                                                                        | P. D. LEESON, ET AL., "Thyroid Hormone Analogues, Synthesis of 3'-Substituted 3,5-Diiodo-L-thyronines and Quantitative Structure - Activity Studies of in Vitro and in Vivo Thyromimetic Activities in Rat Liver and Heart", JOURNAL OF MEDICAL CHEMISTRY, Vol. 31, No. 1, Pages 37-54 (1988).                                                                                                   |

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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
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FORM PTO-1449

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

U.S. PATENT NO. 102901-102

SERIAL NO. 10/593,927

PAGE 2 OF 2

APPLICANT: ANA MARIA GARCIA COLLAZO, ET AL.

FILING DATE: SEPTEMBER 21, 2006

GROUP:

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL* | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPR. |
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## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NO.    | DATE       | COUNTRY       | CLASS | SUBCLASS | TRANSLATION<br>Yes No |
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## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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DATE CONSIDERED:

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